

What is claimed is:

- 1 1. An extruded optical cable protective component comprising:
2 an extruded blend of
 - 3 (a) a crystalline polypropylene, having a crystallinity of greater than about
4 56 weight percent and a melt flow of from 1 to 20 grams per 10 minutes
5 at 230 degrees C, and
 - 6 (b) an impact modifying polymer,
7 wherein the crystalline polypropylene and impact modifying polymer being present in
8 amounts effective for providing the extruded component with a 1-percent secant
9 modulus at 23 degrees C of at least about 1,600 MPa and a Notched Izod at 23 degrees
10 C of at least about 35 J/m.
- 1 2. The extruded optical protective component of Claim 1 wherein the extruded
2 blend further comprises a hydrocarbon oil, thereby improving gel compatibility
3 performance by reducing subsequent hydrocarbon oil absorption.
- 1 3. The extruded optical protective component of Claim 1 or Claim 2 wherein the
2 impact modifying polymer, having polar functionality, thereby reducing hydrocarbon
3 oil absorption to provide improved gel compatibility performance.
- 1 4. The extruded optical protective component of Claim 1 or Claim 2 wherein the
2 extruded component being a tube having a shrinkage of less than about 2.0 percent after
3 24 hours at 100 degrees C.
- 1 5. An optical fiber cable comprising:
2 (a) an extruded optical cable protective component which comprises an
3 extruded blend of
 - 4 (i) a crystalline polypropylene, having a crystallinity of
5 greater than 56 weight percent and a melt flow of from 1
6 to 20 grams per 10 minutes at 230 degrees C, and
 - 7 (ii) an impact modifying polymer,
8 wherein the crystalline polypropylene and impact modifying polymer
9 being present in amounts effective for providing the extruded
10 component with a 1-percent secant modulus at 23 degrees C of at least
11 about 1,600 MPa and a Notched Izod at 23 degrees C of at least about 35
12 J/m, and

- 13 (b) at least one optical fiber transmission medium.
- 1 6. A method of making an extruded optical protective component comprising:
- 2 (a) extruding a blend of
- 3 (i) a crystalline polypropylene, having a crystallinity of
- 4 greater than 56 weight percent and a melt flow of from 1
- 5 to 20 grams per 10 minutes at 230 degrees C, and
- 6 (ii) an impact modifying polymer,
- 7 wherein the crystalline polypropylene and impact modifying polymer
- 8 being present in amounts effective for providing the extruded
- 9 component with a 1-percent secant modulus at 23 degrees C of at least
- 10 about 1,600 MPa and a Notched Izod at 23 degrees C of at least about 35
- 11 J/m.